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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT (highlight changes)

		APPLICA	TION FOR	PERMIT TO	DRILL		5. MINERAL LEASE NO: U-10166	6. SURFACE: Indian
1A. TYPE OF WO	RK: I	DRILL 🔽	REENTER [	DEEPEN			7. IF INDIAN, ALLOTTEE OR Ute Indian Tribe	TRIBE NAME:
B. TYPE OF WEI	L: OIL	GAS 🗸	OTHER	SIN	GLE ZONE MULTIPLE ZON	<sub>⋿</sub> ☑	8. UNIT or CA AGREEMENT	NAME:
2. NAME OF OPE	DATOD:						N/A  9. WELL NAME and NUMBER	
Miller, Dyer		С					Ute Tribal 9-29-14	
3. ADDRESS OF					PHONE NUMBER:		10. FIELD AND POOL, OR W	
		00 <sub>CITY</sub> Denv	er st	ATE CO ZIP 80			Flat Rock	
4. LOCATION OF			612101X	34.5	69652	į	11. QTR/QTR, SECTION, TO MERIDIAN:	WNSHIP, RANGE,
AT SURFACE: AT PROPOSED	PRODUCING Z				9.694938		NESE 29 148	S 20E S
		RECTION FROM NEA					12. COUNTY:	13. STATE:
		(Attached)		50. 511 ISE.			Uintah	UTAH
		OPERTY OR LEASE	LINE (FEET)	16. NUMBER O	F ACRES IN LEASE:	17. NU	MBER OF ACRES ASSIGNED	TO THIS WELL:
833					1280			40
	NEAREST WE	LL (DRILLING, COMI SE (FEET)	PLETED, OR	19. PROPOSED	DEPTH:	20. BO	ND DESCRIPTION:	
1430		(··)			12,500	RL	B0008085	
	(SHOW WHETH	HER DF, RT, GR, ET	C.):		ATE DATE WORK WILL START:	Į.	TIMATED DURATION:	
7414 GR				3/1/2008		40	Days	
24.			PROPO	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE	E, GRADE, AND WEI	GHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY, Y	/IELD, AND SLURRY WEIGHT	
26"	20"	Conduct	.250" Wall	40	Ready Mix to Surface			
12-1/4"	9-5/8"	J-55	36#	3,300	Class G & Prem Lite	727 s	acks 1.17 & 3.38	11 & 15.8
8-3/4"	5-1/2"	N80/P110	17#	12,500	Class G & Prem Lite 1	254 s	acks 1.65 & 3.15	14.4-11.2-1
25.				ATTA	CHMENTS			
VERIFY THE FOL	LOWING ARE A	TTACHED IN ACCO	RDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
WELL PL	AT OR MAP PRE	EPARED BY LICENS	ED SURVEYOR OR	ENGINEER	COMPLETE DRILLING PLAN			
		OF WATER RIGHTS			FORM 5, IF OPERATOR IS PE	DSON OI	D COMPANY OTHER THAN T	JE I EASE OWNED
EVIDENCE	E OF DIVIDION	or watermonio		- WATER		.1001101	COOM ACT OTHER TIACT	IL LLAGE OWNER
	loff	lana e			Vice President	t of O	ocrations	
NAME (PLEASE I	Jeff/L	11/1		_	Vice President	t or O	Derauoris	
SIGNATURE_	_///	NY			Approved by the	ו	RECE	IVED
(This space for Sta	te us out of	,		- 4. - 45. 4 - 4. 44. - 4. 41.	Utah Division of Oil, Gas and Mining		SEP 2	8 2007
	, 1	12 24- 20	1 . 4	74 	-n, -a and mining		DIV OF OIL.	AS & MINING
API NUMBER ASS	SIGNED: 4	3-047-39	1469		APPROVAL:	-11	D.C. O. D.C.	
				L	Date: 10-13-4-1	#		

(11/2001)

Pederal Approval of this Action is Necessary

## T14S, R20E, S.L.B.&M.

 $$89^48'W - 79.90 (G.L.O.)$ N89'59'42"W - 2629.70' (Megs.) S89°58'48"W - 2613.28' (Meas.) Found Set Marked Found Set Marked . Found Set Marked Stone. There are 5 Stone, with 1/4 marked Stone, there are 2 notches on Southeast notches on NE edge & on North side of stone, corner & 2 notches pile of stones. 2 notches on SE edge (Meas. on Southwest corner of stone. of stone. 2651.13, **WELL LOCATION:** N00°25′27″E UTE TRIBAL 9-29-14-20 ELEV. UNGRADED GROUND = 7413.5' Ö Found Set Marked Found Set Marked Stone, 1/4 marked on Stone, with 1/4 marked west side of stone. on West side of stone. 103tw 833' Proposed-Bearings) (Meas. N00'27'10"E (Basis of Bear 2631.67' (Measured) 2645.82 N00'26'02"E Found Set Marked Stone, with 5 notches Found Set Marked Found Set on NE edge & 1 notch Stone, with 1/4 marked Stone, pile of on SE edge of stone. on North side of stone stones. S89'58'23"W - 2637.06' (Meas.) \$89°49'06"W - 2625.67' (Meas.) S89°50'W - 80.00 (G.L.O.)

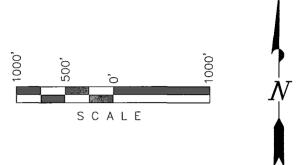
= SECTION CORNERS LOCATED BASIS OF ELEVATION IS BENCH MARK 60 WF 1952 LOCATED IN THE SW 1/4 OF SECTION 35, T14S, R20E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE FLAT ROCK MESA 7.5 MIN. QUADRANGLE AS BEING 7363'.

UTE TRIBAL 9-29-14-20 (Proposed Well Head) NAD 83 Autonomous

LATITUDE =  $39^{\circ} 34' 10.75"$ LONGITUDE =  $109^{\circ} 41' 44.19'$ 

## MILLER, DYER & CO. LLC

WELL LOCATION, UTE TRIBAL 9-29-14-20. LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 29, T14S, R20E, S.L.B.&M. UINTAH COUNTY, UTAH.



#### NOTES:

N0.03'W

- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ANY TO ALL SURVEYS MADE BY ME OR UNDER MY SUPER VISION SAND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLEF No.362251

> REGISTERE REGISTRATION

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC. 38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 08-24-07	SURVEYED BY: B.J.S.	SHEET
DATE DRAWN: 08-29-07	DRAWN BY: M.W.W.	2
SCALE: 1" = 1000'	Date Last Revised:	OF 10

## DRILLING PLAN MILLER, DYER & CO. LLC

## Ute Tribal #9-29-14-20 NESE Section 29 T14S-R20E

## 1. <u>Estimated Formation Tops</u>

Estimated Formation Tops:	$\underline{\mathrm{MD}}$
Green River	Surface
Wasatch	2,347'
Base High Resistivity	3,354'
Mesaverde	4,502'
Castlegate Sandstone	6,340'
Mancos Shale	6,624'
Dakota Sandstone	10,639'
Cedar Mountain	10,794
Morrison	11,020'
Curtis	11,547'
Entrada Sandstone	11,624'
Carmel	11,954'
Wingate	12,105
TD	12,500'

## 2. Estimated Depth and Thickness of Zones

Tops	MD	Thickness	Anticipated Formation Contents
Wasatch	2,347		Oil and/or gas anticipated >
		1000	3,000'
Mesaverde	4,502	500	Gas
Castlegate Sandstone	6,340	300	Gas
Dakota Sandstone	10,639	150	Gas
Cedar Mountain	10,794	200	Gas
Morrison	11,020	300	Gas
Entrada Sandstone	11,624	300	Gas
Wingate	12,105	500	Gas

## 3. Pressure Control Equipment

Schematic attached (Attachment "A")

Blow Out Preventer (BOP) will be equipped as follows:

- A. Type: Eleven (11) inch double gate hydraulic 3,000 psi BOP plus a 3000 psi annular preventer mounted on a 3,000 psi casinghead.
  - a. One set of blind rams (above)
  - b. One set of pipe rams (below)
  - c. Appropriate fill, kill and choke lines will be 3,000 psi working pressure

Note: The calculation of maximum anticipated surface pressure is detailed in Section 7. This calculation is based on the maximum anticipated bottom-hole pressure and a partially evacuated hole. According to this calculation, a 3000 psi BOP and annular preventer will be sufficient to drill this well safely. However, depending on the actual rig contracted for this well, a 5000 psi system may come with the rig. If so, all testing will be done to 5000 psi specifications.

## B. Auxiliary Equipment:

Auxiliary equipment to include upper Kelly cock with a handle, a floor safety valve with subs to fit all drill string connections in use, and a string float valve.

- C. Pressure Rating: 3,000 psi WP
- D. Testing Procedure:

#### Hydraulic Ram-Type BOP

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack of 3,000 psi. This pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1) when the BOP is initially installed,
- 2) whenever any seal subject to test pressure is broken,
- 3) following related repairs, and
- 4) at thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but no more than once each day.

## E. Choke Manifold Equipment:

All choke lines will be straight lines; turns will use tee blocks, or targeted running tees, and will be anchored to prevent whip and vibration. The manifold will have two (2) manual chokes and a pressure gauge.

#### F. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically controlled choke line valve, if so equipped, close all rams plus the annular BOP, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity, and the fluid level of the reservoir will be maintained to the manufacturer's recommendations.

#### G. Miscellaneous Information:

The choke manifold and BOP ram extensions rods with hand wheels will be located outside the rig substructure. The hydraulic BOP closing unit will be located at least 25 feet from the well head, but readily accessible to the driller. Exact location and configuration of the hydraulic BOP closing unit will depend on the layout of the particular rig contracted to drill this well.

A flare line will be installed from the choke manifold to a flare pit, extending a minimum of 100 feet from the center of the drill hole.

The BOP and related pressure control equipment will be installed, tested and maintained in compliance with the specifications and requirements of the Onshore Oil and Gas Order Number 2.

## **Auxiliary Equipment**

- a. Kelly cock Yes
- b. Float sub at bit No
- c. Mud logger & instrumentation Yes
- d. Full-opening safety valve on rig floor Yes
- e. Rotating head No

## 4. <u>Casing Program</u>

	Setting Depth	Hole Size	Casing O.D.	Grade	Weight/Ft.	Thread
Conductor	40'	26"	20"	Conductor	0.250" wall	
Surface	3,300'	12-1/4"	9-5/8"	J-55	36#	STC
Production	0'-1,200'	8-3/4"	5-1/2"	N-80	17#	Buttress
	1,200'- 11,000'	8-3/4"	5-1/2"	N-80	17#	LTC
	11,000'- 12,500'	8-3/4"	5-1/2"	P-110	17#	LTC

• Subject to review on the basis of actual conditions encountered. Production casing depth will be adjusted based on results.

- Depending on availability, 17#, P-110, LT&C may be substituted for the 17#, N-80, Buttress casing at the top of the production string.
- Casing design runs are shown for each casing string. See Attachment "B"

## 5. Cement Program

## **Conductor Casing: 0'-40'**

Ready Mix to surface

## Surface Casing: 0' - 3300'

Lead Cement:

0'-2800'

11.0 ppg Premium Lite II cement

10% bwoc Bentonite

0.5% bwoc Sodium Metasilicate

5 #/sk Kol Seal

0.25 #/sk Cello Flake

3% bwow Potassium Chloride

Cement yield = 3.38 ft3/sk w/ 20.5 gal/sk water

Annular volume (in open hole) =  $2760^{\circ} * 0.3132 \text{ ft} 3/\text{ft} = 864.4 \text{ ft} 3$ 

Excess = 50%

Total volume (open hole) w/ excess = 864.4 ft 3 \* 1.50 = 1296.6 ft 3

Annular volume (in conductor) = 40' \* 1.5687 ft3/ft = 62.7 ft3

Excess = 0%

Total volume (open hole & conductor) = 1359 ft3

### Lead Cement Requirement = 1359 ft 3 / 3.38 ft 3/sk = 403 sks

#### Tail Cement:

2800'-3300' plus shoe joint

15.8 ppg Class G

2% bwoc Calcium Chloride

0.25 #/sk Cello Flake

Cement yield = 1.17 ft3/sk w/ 5 gal/sk water

Annular volume (in open hole) = 500' \* 0.3132 ft 3/ft = 156.6 ft 3

Excess = 50%

Total volume (open hole) w/ excess = 156.6 ft 3 \* 1.50 = 234.9 ft 3

Shoe volume =  $40^{\circ} * 0.4341 \text{ ft} 3/\text{ft} = 17.4 \text{ ft} 3$ 

Excess (shoe) = 0%

Total volume (open hole & shoe) = 234.9 + 17.4 = 252 ft3

#### Tail Cement Requirement = 252 ft 3 / 1.17 ft 3/sk = 217 sks

Displacement Volume:

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3260' * 0.0773 \text{ bbl/ft} = 252 \text{ bbls}
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#### Top Out Cement:

0-200' (displaced down backside w/ 1" string)

15.8 ppg Class G

2% bwoc Calcium Chloride

0.25 #/sk Cello Flake

Cement yield = 1.17 ft3/sk w/ 5 gal/sk water

Annular volume = 200' \* 0.3132 ft3/ft = 62.6 ft3

Excess = 100%

Total volume w/ excess = 62.6 ft 3 \* 2.0 = 125.2 ft 3

Top Out Cement Requirement = 125.2 ft3 / 1.17 ft3/sk = 107 sks

## Production Casing: 0'-12,500' (DV Tool @ 10,000')

## Stage 1

#### Cement:

10,000'-12,500'

14.4 ppg 50:50 Poz (Fly Ash): Class G Cement (or equivalent)

0.05 #/sk Static Free

0.2% bwoc R-3

3% bwow Potassium Chloride

0.25 #/sk Cello Flake

0.9% bwoc FL-25

1 gal / 100 sk FP-6L

35% bwoc Silica Flour

0.2% bwoc BA-59

0.2% bwoc Bentonite

Cement yield = 1.65 ft3/sk w/ 7.12 gal/sk water

Annular volume = 2500' \* 0.2526 ft3/ft = 631.5 ft3

Excess = 25%

Total volume w/ excess = 631.5 ft 3 \* 1.25 = 789.4 ft 3

Shoe volume = 40' \* 0.1305 ft 3/ft = 5.2 ft 3

Excess (shoe) = 0%

Total volume w/ excess (incl. shoe) = 789.4 + 5.2 = 794 ft3

Stage 1 Cement Requirement = 794 ft 3 / 1.65 ft 3/sk = 480 sks

#### Displacement Volume:

$$(12,500'-40') * 0.0232 \text{ bbl/ft} = 289.0 \text{ bbls}$$

## Stage 2 (DV tool to 500' inside surface casing)

#### Lead Cement:

2,800'-9,593'

11.2 ppg Premium Lite II cement (or equivalent)

3 #/sk CSE

0.3% bwoc R-3

3% bwow Potassium Chloride

10% bwoc Bentonite

0.2% bwoc Sodium Metasilicate

Cement yield = 3.15 ft3/sk w/ 19 gal/sk water

Volume inside surface casing =  $500^{\circ} * 0.2691 \text{ ft} 3/\text{ft} = 134.5 \text{ ft} 3$ 

Excess = 0%

Annular volume = 6293' \* 0.2526 ft3/ft = 1589.6 ft3

Excess = 25%

Annular volume w/ excess = 1589.6 ft3 \* 1.25 = 1987.0 ft3

Total volume = 134.5 + 1987.0 = 2121.5 ft3

Lead Cement Requirement = 2121.5 ft3 / 3.15 ft3/sk = 674 sks

#### Tail Cement:

9,593' - 10,000'

14.2 ppg 50:50 Poz (Fly Ash): Class G Cement (or equivalent)

0.05% bwoc Static Free

0.1% bwoc R-3

3% bwow Potassium Chloride

0.9% bwoc FL-25

1 gal / 100 sk FP-6L

2% bwoc Bentonite

0.2% bwoc Sodium Metasilicate

0.2% bwoc BA-59

Cement yield = 1.29 ft3/sk w/ 5.8 gal/sk water

Annular volume = 407' \* 0.2526 ft3/ft = 102.8 ft3

Excess = 25%

Annular volume w/ excess = 102.8 ft 3 \* 1.25 = 128.5 ft 3

Tail Cement Requirement = 100 sks

### Displacement Volume:

10,000' \* 0.0232 bbl/ft = 232 bbls

• A detailed cement program is included. See Attachment "C"

## 6. <u>Mud Program</u> (visual monitoring)

Interval	Mud Type	Weight	Viscosity	Fluid Loss
0'-	Water/Gel/Lime/Native	8.3-8.6 ppg	33-36 sec/qt	N/C
2,400'	Clays			
2,400'-	KCl/Polymer or	9.0-9.3 ppg	38-42 sec/qt	8-10cc
12,500'	DAP/Polymer			

Sufficient mud materials to maintain mud properties, control lost circulation, contain a "gas" kick, and rebuild an active mud system will be available on location during drilling operations.

## 7. Testing, Logging, Coring

- a. Drill stem tests non anticipated
- b. Electric logs DIL/SP/GR, FDC/CNL/CAL/PE/GR, BHC sonic/GR all from TD to surface
- c. Coring possible sidewall coring in the Dakota, Cedar Mountain, Morrison and Entrada.

## 8. <u>Anticipated Bottom Hole Pressure and Temperature, and other Potential Hazards</u>

#### A. Bottom Hole Pressure:

Maximum anticipated bottom hole pressure is 4,375 psi (calculated at 0.35 psi/ft. at the 12,500' (TVD) level of the Wingate). This pressure gradient was calculated from a bottom hole pressure buildup tests conducted on four separate wells located in Section 29, T14S-R20E. These wells are the closest wells to the subject well completed in the same deep zones. Therefore the maximum anticipated surface pressure is 1,625 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft.).

## B. Bottom Hole Temperature:

The bottom hole temperature anticipated in this wellbore is approximately 230 degrees Fahrenheit at 12,500' TVD. This anticipated temperature is consistent with the temperatures encountered in the other four deep wells drilled in this area.

#### C. Abnormal Pressures or Temperatures:

As demonstrated above, no abnormal pressures or temperatures are anticipated in this well.

#### D. Potential Hazards:

No hydrogen sulfide  $(H_2S)$  gas or other potential hazards have been encountered or are known to exist in any well drilled to similar depths in the general area.

#### 9. Anticipated Starting Date and Duration

Spud Date: Upon governmental approval and drilling rig availability

**Duration of Operations:** 

- 1) Drilling: Approximately 40 days.
- 2) Completion: Approximately 30 days

## **Drilling Notification:**

Prior to location construction, moving in the drilling rig and spudding the well, the Vernal field office of the BLM will be notified of our intentions to commence operations, unless otherwise instructed in the site specific conditions of approval.

## SURFACE USE PLAN MILLER, DYER & CO. LLC

## **Ute Tribal #9-29-14-20 NESE Section 29 T14S-R20E**

## 1. Existing Roads:

- a. Topographic Map "A" shows the vicinity of the well, including a portion of the Agency Draw Road. This road is reached from Ouray, Utah, by following the Seep Ridge Road south to Buck Canyon; taking the Buck Canyon road west to the Willow Creek Road; then north on the Willow Creek Road to Santio Crossing, which is at the junction of the Willow Creek Road and the Agency Draw Road.
- b. Topographic Map "B" shows the point approximately 53 miles south of Ouray where the access road to the well departs from the Agency Draw Road continue 1.5 miles north of the Flat Rock Mesa Road. Beyond this point the access road consists of 0.2 mile of new lease road leading to the Ute Tribal #9-29-14-20 location.
- 2. Planned Access Road: (refer to Topographic Map "D")
  - a. Length of new road route will be approximately 0.2 mile.
  - b. The right-of-way width is 55' (27.5' on either side of the centerline) with a 20-foot wide running surface.
  - c. Maximum grade will be less than 2%
  - d. No turn-outs are planned.
  - e. The new road will be crowned, ditched and dipped to provide adequate drainage.
  - f. Culverts will be used if necessary.
  - g. No gates are cattle guards will be needed. Nor will any existing facilities be modified.
  - h. The proposed road was flagged when the location was staked.
  - i. The authorized officer will be contacted at least 24 hours in advance of commencement of construction of the access road and well pad.
- 3. Location of Existing Wells:
  - a. The nearest producing well is the Ute Tribal #28-1A, located approximately 1430' east of the proposed well location in Section 29-T14S-R20E.
- 4. Location of Existing and/or Proposed Facilities:
  - a. There are no existing facilities on the proposed well pad. All proposed facilities will be contained within the proposed location site (see attached "Location Layout"). Topographic Map "D" shows the proposed route for a gas line, to be co-located in the access road right-of-way, and connected to the Miller, Dyer & Co. LLC gathering system.

b. The operator will submit information concerning proposed on and off well pad facilities once production has been established by applying for approval of subsequent operations.

## 5. Location and Type of Water Supply:

- a. Miller, Dyer & Co. existing water supply well the Ute Tribal 30-4A, located in the NENW Section 30-T14S-R20E on Indian surface has been approved by the Ute Indian Tribe. The existing BIA water permit number for the well is #14-20-H62-5069.
- b. Some produced water from existing wells may be used for drilling. Fresh water may also be taken at a point of diversion at Santio Crossing from Willow Creek in the SESE Section 29-T12S-R21E, SLB&M, if available during the drought. This water will be taken under the terms of the Ute Oilfield Water Service's state filing.
- c. Water will be transported by truck on the Agency Draw and Flat Rock Mesa roads.

## 6. Source of Construction Materials:

- a. It is anticipated that any construction materials will be needed for the drilling phase of this project. Gravel, shale or road base materials needed to upgrade access roads and well pad will be obtained from the operator's pit located on SITLA land near Chimney Rock.
- b. The entire well site and all access roads to be upgraded for built are located on lands held in trust by the federal government for the Ute Indian Tribe.
- c. All construction materials used in building the well pad and access road will be native materials accumulated during construction. In the event that additional materials are needed, they will be obtained from the operator's existing pit on SILTA land or from private sources.

## 7. Methods for Handling Waste Disposal:

- Methods and locations for safe containment and disposal of the following materials:
  - 1. Drill cuttings will be buried in the reserve pit.
  - 2. Garbage and trash will be contained in trash baskets and hauled to a sanitary landfill. There will be no burning of trash on the location at any time.
  - 3. Salts will be kept in proper containers and salvaged for future use or disposed of at an approved facility.
  - 4. Chemicals will be kept in proper containers and salvaged for future use or disposed of at an approved facility.
  - 5. Sewage waste will be contained in portable chemical toilets serviced by a commercial sanitary service.
- b. Drilling fluids will be contained in the reserve pit and mud tanks. To the extent possible, drilling fluids and water will be saved for use at future drilling locations. Unusable drilling fluids and water will be disposed of in an approved manner upon the completion of the well.

c. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater that 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, of this well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

## d. Reserve pit and waste water disposal:

- 1. The reserve pit will be constructed so as not to lead, break, or allow the discharge of fluids.
- 2. The reserve pit will be lined with 12 mil plastic nylon reinforced liner installed over sufficient bedding material to cover any exposed rocks. The pit will be fenced on three sides with 39" net wire, topped with a minimum of one strand of barbed wire. All wire will be stretched prior to attachment to the corner posts. The fourth side will be fenced when drilling activities are completed to allow drying.
- 3. The closure of the reserve pit will follow the Guidance for Reserve Pit Closure as found in the Environmental Handbook of the State of Utah, Division of Oil, Gas & Mining.
  - a) The reserve pit will be closed within one year following drilling and completion of a well (R649-16.3).
  - b) Liquid in a pit will be allowed to either evaporate or be removed. If removed, it will be disposed of properly, some options are injection (in this well or another), hauled to a permitted disposal facility, or re-used at another well.
  - c) The pit liner may be cut off above the cuttings/mud level and hauled to a landfill, or folded in and processed along with other pit contents and covered. No remnants of liner material will be exposed at the surface when pit closure is complete. Pit area will be mounded so as not to allow ponding of water and drainage diverted around as not to allow erosion of the old pit site.
- 4. A closed drilling system will not be used as there is no irrigable land, floodplains, or lands under crop production.
- 5. In accordance with Onshore Order No. 7, a permanent disposal method and location will be applied for within 90 days of establishing production.
- 6. After first production:
  - a) Produced waste water will be confined to the reserve pit, or a storage tank for a period not to exceed 90 days.
  - b) During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis will be submitted to the authorized officer.

c) No produced water will be used for dust or weed control of any kind. Should spills of oil, produced water, or hazardous materials occur, the area of the spill will be re-mediated and contaminated soil and recovered oil or hazardous materials will be hauled to an approved disposal facility.

## 8. Ancillary Facilities:

a. No airstrips will be built. Mobile living quarters and office facilities for supervisors, geologists, mud engineers, mud loggers and air compressor personnel will be confined to the drilling location as shown on the "Location Layout" diagram. The drilling crew will be housed on location.

## 9. Well Site Layout:

- a. Refer to attached "Typical Cross Section" diagram for cuts and fills and relation to topography.
- b. Refer to "Location Layout" diagram for location of mud tanks, reserve and flare pits, pipe racks, living facilities and top soil stockpiles.
- c. Refer to "Location Layout" diagram for rig orientation, access road and parking area. Parking area will be in the northeast corner of the location.

#### 10. Plans for Restoration of the Surface:

- a. Producing well location
  - 1. Immediately upon well completion the location and surrounding area will be cleared of all tubing, equipment, debris, materials, trash and junk not required for production.
  - 2. Immediately upon well completion any hydrocarbons on the reserve pit will be removed and disposed of properly.
  - 3. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days of the date of well completion, or as soon thereafter as is practical. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc removed. The liner will be perforated and torn prior to backfilling.
  - 4. Access roads will be graded and maintained to prevent erosion and accommodate year-round traffic.
  - 5. All disturbed areas not needed for operations will be seeded with the mixture required by the BIA in the manner specified by the BIA.

## b. Dry Hole/Abandoned Location

1. At such time as it is determined that the well is to be plugged and abandoned, the operator will submit a subsequent report of abandonment to the BLM and the BIA. The BLM will attach plugging conditions of approval, and the BIA will attach conditions of approval for the restoration of the surface.

## 11. Surface Ownership:

a. Access roads and location are held in trust for the Ute Indian Tribe by the Unites States. The operator has obtained a right-of-way with the BIA and submitted payment for damages as specified in its Exploration and Development Agreement with the Ute Indian Tribe.

#### 12. Additional Information:

- a. The operator will inform all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and will inform the assigned monitor and the authorized officer (AO) at the BIA. Within five working days the AO will inform the operator as to:
  - 1. Whether the materials appear to be eligible for the National Register of Historic Places;
  - 2. The mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
  - 3. A time frame for the AO to complete an expedited review under 36 CFR 900.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.
- b. If the operator wishes at any time to relocate activities to avoid the cost of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will be allowed to resume construction.
- c. At the request of the Ute Indian Tribe, a 30'-wide fire break will be bladed around the perimeter of the location.

#### **Bonding:**

Please be advised that Miller, Dyer & Co. LLC is considered to be the operator of the Ute Tribal #9-29-14-20 well; NESE of Section 29, T14S-R20E Uintah County, Utah; and all producing zones; and is responsible for the operations conducted upon the leased lands. Bond coverage is provided by Certificate of Deposit #UTB000058.

## **Operator's Certification:**

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my

knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operation conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 27 th day of September, 2007.

Jeffrey H. Lang Vice President of Operations Miller, Dyer & Co. LLC 475 17<sup>th</sup> Street, Suite 1200 Denver, CO 80202

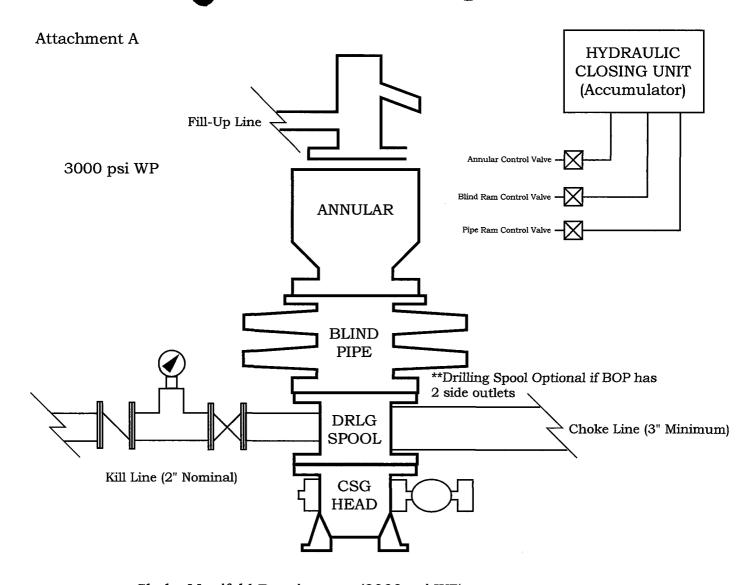
Office: 303 292 0949 Ext 102

FAX: 303 292 3901 Cell: 303 503 3730

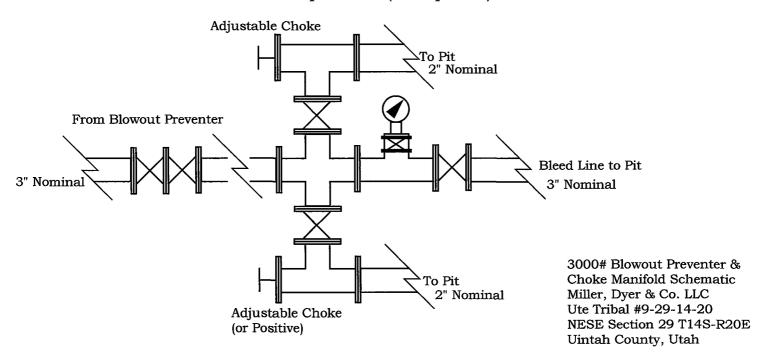
Email: jeff@millerdyer.com

Vice President of Operations

The Onsite Inspection for this well will be conducted after the APD has been submitted to the BLM as per the new requirements of Onshore Order #1 dated March 7, 2007.



Choke Manifold Requirement (3000 psi WP)





IMPORTANT This information should be checked by the engineer responsible for the design to insure its accuracy. U. S. Steel makes no express or implied warranty of any kind in respect either to the information furnished or the materials referred to or as to the suitability thereof for any particular application, use or purpose, and expressly disclaims any and all such warranties. Anyone making use of this information does so at their own risk and assumes full responsibility as to its suitability for the use intended and any and all liability resulting from such use.

Date: 09-26-2007 16:42

#### U. S. STEEL GENERATED CHECK STRING DESIGN

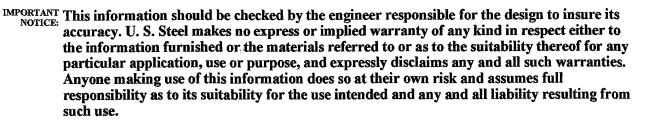
**CASING COMBINATION DESIGN NO** C01560 SUBMITTED BY Jeff Lang Miller, Dyer & Co. LLC **CUSTOMER OUTSIDE DIAMETER** 9.625 **MUD WEIGHT** 9.300 **SOUR SERVICE** NO

ITEM NUMBER	LENGTH FEET	ZONE FEET	WEIGHT LB/FT	GRADE	JOINT TYPE	SECTION WEIGHT LB	TOTAL WEIGHT LB
1	3300	0-3300	36		SHORT ROUND	118800	118800

******** SAFETY-FACTORS ************								
ITEM NUMBER	EXTERNAL PRESSURE COLLAPSE	TENSION YIELD STRENGTH	ULTIMATE	INTERNAL YIELD PRESSURE	LEAK RESISTANCE			
TARGET	1.125	1.250	1.800	1.000	1.000			
1	1.268	3.757	3.313	2.208	5.309			

Note: Safety Factors for Internal Yield Pressure (Pipe or joint) and Leak Resistance are based on an Internal Pressure of 1594 PSI.

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Date: 09-26-2007 16:34

#### U. S. STEEL GENERATED CHECK STRING DESIGN

CASING COMBINATION DESIGN NO

SUBMITTED BY

CUSTOMER

Miller, Dyer & Co. LLC

OUTSIDE DIAMETER

5.500

MUD WEIGHT

9.300

11000-

12500

1500

3

**SOUR SERVICE** NO **SECTION** TOTAL **ITEM** WEIGHT **JOINT** LENGTH ZONE GRADE WEIGHT WEIGHT NUMBER LB/FT **TYPE** FEET FEET 17 N-80 BUTTRESS 20400 1200 0 - 1200212500 1 1200-17 N-80 2 9800 LONG ROUND 166600 192100 11000

17

P-

110

LONG ROUND

25500

25500

3	*********** SAFETY-FACTORS *************									
ITEM NUMBER	EXTERNAL PRESSURE COLLAPSE	TENSION YIELD STRENGTH	ULTIMATE	INTERNAL YIELD PRESSURE	LEAK RESISTANCE					
TARGET	1.125	1.250	1.800	1.000	1.000					
1	8.287	1.868	2.099	1.282	2.666					
2	1.158	1.561	1.809	<b>→</b> 1.282	2.181					
3	1.239	16.165	17.450	1.762	2.181					

Note: Safety Factors for Internal Yield Pressure (Pipe or joint) and Leak Resistance are based on an Internal Pressure of 6038 PSI.

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IMPORTANT This information should be checked by the engineer responsible for the design to insure its accuracy. U. S. Steel makes no express or implied warranty of any kind in respect either to the information furnished or the materials referred to or as to the suitability thereof for any particular application, use or purpose, and expressly disclaims any and all such warranties. Anyone making use of this information does so at their own risk and assumes full responsibility as to its suitability for the use intended and any and all liability resulting from such use.

Date: 09-26-2007 16:35

### U. S. STEEL GENERATED CHECK STRING DESIGN

CASING COMBINATION DESIGN NO

SUBMITTED BY

CUSTOMER

Miller, Dyer & Co. LLC

OUTSIDE DIAMETER

MUD WEIGHT

SOUR SERVICE

NO

ITEM NUMBER	LENGTH FEET	ZONE FEET	WEIGHT LB/FT	GRADE	JOINT TYPE	SECTION WEIGHT LB	TOTAL WEIGHT
1	1200	0-1200	17	P- 110	LONG ROUND	20400	212500
2	9800	1200- 11000	1 1/	N-80	LONG ROUND	166600	192100
3	1500	11000- 12500	1 1 / 1	P- 110	LONG ROUND	25500	25500

	*********** SAFETY-FACTORS ************									
ITEM NUMBER	EXTERNAL PRESSURE COLLAPSE	TENSION YIELD STRENGTH	ULTIMATE	INTERNAL YIELD PRESSURE	LEAK DESISTANCE					
TARGET	1.125	1.250	1.800	1.000	1.000					
1	11.277	1.940	2.094	1.762	2.181					
2	1.158	1.561	1.809	1.282	2.181					
3	1.239	16.165	17.450	1.762	2.181					

Note: Safety Factors for Internal Yield Pressure (Pipe or joint) and Leak Resistance are based on an Internal Pressure of 6038 PSI.

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Operator Name: Miller, Dyer Well Name:

Flat Rock Generic

Job Description: Surface: 9 5/8" CSG x 12.25" O.H. x 3300' MD

Date:

September 25, 2007



**Proposal No: 179969767A** 

## **JOB AT A GLANCE**

Depth (TVD)

3,300 ft

Depth (MD)

3,300 ft

**Hole Size** 

12.25 in

Casing Size/Weight:

9 5/8 in, 36 lbs/ft

Pump Via

9 5/8" O.D. (8.921" .I.D) 36

**Total Mix Water Required** 

9,357 gals

Pre-Flush

Water

40 bbls

**Density** 

8.4 ppg

**Lead Slurry** 

**Premium Lite II Cement** 

403 sacks

Density

11.0 ppg

Yield

3.38 cf/sack

**Tail Slurry** 

Class G + Additives

217 sacks

**Density** 

15.8 ppg

Yield

1.17 cf/sack

**Displacement** 

Water

252 bbls

**Density** 

8.4 ppg

Operator Name: Miller, Dyer Well Name:

Flat Rock Generic

Job Description: Surface: 9 5/8" CSG x 12.25" O.H. x 3300' MD Date:

September 25, 2007



**Proposal No: 179969767A** 

## **WELL DATA**

#### **ANNULAR GEOMETRY**

ANNULAR I.D.	DE	PTH(ft)
(in)	MEASURED	TRUE VERTICAL
19.500 CASING	40	40
12.250 HOLE	3,300	3,300

## SUSPENDED PIPES

DIAMETI	ER (in)	WEIGHT	DEF	TH(ft)
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL
9.625	8.921	36	3,300	3,300

Float Collar set @

3,260 ft

**Mud Density** 

8.50 ppg

**Mud Type** 

Water Based

Est. Static Temp.

120 ° F

Est. Circ. Temp.

97 ° F

#### **VOLUME CALCULATIONS**

40 ft	х	1.5687 cf/ft	with	0 % excess	=	62.7 cf
2,760 ft	X	0.3132 cf/ft	with	50 % excess	=	1296.6 cf
500 ft	x	0.3132 cf/ft	with	50 % excess	=	234.9 cf
40 ft	x	0.4341 cf/ft	with	0 % excess	=	17.4 cf (inside pipe)

TOTAL SLURRY VOLUME = 1611.6 cf

287 bbls

VERIFY TUBULAR CONFIGURATION, PROCEDURE, AND PROPER DISPACEMENT DEPTH WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

BHST has been estimated from 1.2 deg/100 ft gradient with an 80 degree ambient rock temperature. The BHCT has been calculated using API standards.

Operator Name: Miller, Dyer Well Name:

Flat Rock Generic

Job Description: Surface: 9 5/8" CSG x 12.25" O.H. x 3300' MD

Date:

September 25, 2007



**Proposal No: 179969767A** 

#### **FLUID SPECIFICATIONS**

_	_		
Dr.	o_F	=1	ah.
r	U-1	-ıu	sh

40.0 bbls Water @ 8.4 ppg

FLUID	VOLUME CU-FT		CTO	_	AMOUNT AND	TYPE OF CEMENT	_
Lead Slurry	1359	1	3.3	=	Potassium Chlo lbs/sack Kol Sea	nium Lite II Cement + 3% bwov ride + 0.25 lbs/sack Cello Flak al + 10% bwoc Bentonite + 0.5 letasilicate + 196.8% Fresh Wa	e + 5 %
Tail Slurry	252	1	1.1	=		s G Cement + 2% bwoc Calciu lbs/sack Cello Flake + 44.3%	m
Displacement			252	.0	bbls Water @ 8.4	4 ppg	
CEMENT PROPERTI	ES						
					SLURRY	SLURRY	
					NO. 1	NO. 2	
Slurry Weight (ppg)					11.00	15.80	
Slurry Yield (cf/sack)					3.38	1.17	
Amount of Mix Water (g	ps)				20.53	5.00	
Estimated Pumping Tim	ie - 70 BC (	HH:	MM)		5:00	2:00	
COMPRESSIVE STRE	NGTH						
24 hrs @ 95 ° F (ps	si)				400	3500	

THICKENING TEST TIMES ARE ESTIMATES. SLURRIES ARE SUBJECT TO CHANGE BASED ON TEST RESULTS FROM THE REGION LABORATORY.

SLURRY VOLUMES ARE ESTIMATED AND ARE SUBJECT TO CUSTOMER VERIFICATION.

PLEASE DOCUMENT HOW LONG WELL HAS BEEN CIRCULATED PRIOR TO CEMENTING AND INCLUDE ANY OTHER IMPORTANT ISSUES ON THE CEMENT REPORT.

Operator Name: Miller, Dyer

Well Name: Flat Rock Generic

Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'

Date:

**September 25, 2007** 



**Proposal No: 179969767A** 

## **JOB AT A GLANCE**

Depth (TVD)

12,500 ft

Depth (MD)

12,500 ft

**Hole Size** 

8.75 in

Casing Size/Weight:

5 1/2 in, 17 lbs/ft

Pump Via

5 1/2" O.D. (4.892" .I.D) 17

**Total Mix Water Required** 

16,908 gals

Stage No: 1

Float Collar set @

12,460 ft

**Spacer** 

2% KCI Water

20 bbls

**Density** 

8.4 ppg

**Mud Wash** 

Mud Clean I

1,000 gals

**Density** 

8.4 ppg

**Spacer** 

2% KCI Water

20 bbls

**Density** 

8.4 ppg

**1st Tail Slurry** 

50:50:2 (Poz:G:Gel) + Add's

480 sacks

**Density** 

14.4 ppg

**Yield** 

1.65 cf/sack

**Displacement** 

**Drilling Mud** 

290 bbls

**Density** 

9.5 ppg

Operator Name: Miller, Dyer & Well Name:

Flat Rock Generic

Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'

Date:

**September 25, 2007** 



**Proposal No: 179969767A** 

## **JOB AT A GLANCE** (Continued)

Stage No: 2	Stage Collar set @	10,000 ft
Pre-Flush		
2% KCI Water	2	0 bbls
Density	8.	4 ppg
Mud Wash		
Mud Clean I	1,00	0 gals
Density	8.	4 ppg
Spacer		
2% KCI Water	2	0 bbls
Density	8.	4 ppg
2nd Lead Slurry		
Premium Lite II + Add's	67	4 sacks
Density	11.	2 ppg
Yield	3.1	5 cf/sack
2nd Tail Slurry		
50:50:2 (Poz:G:Gel) + Add's	10	0 sacks
Density	14.	2 ppg
Yield	1.2	9 cf/sack
Displacement		
2% KCI Water	23	2 bbls
Density	8.	4 ppg

Operator Name: Miller, Dyer & Well Name:

Flat Rock Generic

Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'

Date:

September 25, 2007



**Proposal No: 179969767A** 

## **WELL DATA**

#### **ANNULAR GEOMETRY**

ANNULAR I.D.	DEP	TH(ft)
(in)	MEASURED	TRUE VERTICAL
8.921 CASING	3,300	3,300
8.750 HOLE	12,500	12,500

#### **SUSPENDED PIPES**

DIAMETER (in)		WEIGHT	DEPTH(ft)		
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL	
5.500	4.892	17	12,500	12,500	

STAGE: 1

Float Collar set @

12,460 ft

**Mud Density** 

9.50 ppg

**Mud Type** 

Water Based

Est. Static Temp.

236 ° F

Est. Circ. Temp.

184° F

## **VOLUME CALCULATIONS**

2,500 ft 0.2526 cf/ft Х

with

25 % excess = 787.0 cf

40 ft 0.1305 cf/ft

with

0 % excess

5.2 cf (inside pipe)

TOTAL SLURRY VOLUME = 792.2 cf

141 bbls

STAGE: 2

Stage Collar set @

10,000 ft

**Mud Density** 

9.50 ppg

Est. Static Temp.

205 ° F

Est. Circ. Temp.

155°F

## **VOLUME CALCULATIONS**

500 ft	х	0.2691 cf/ft	with	0 % excess	=	134.5 cf
6,293 ft	x	0.2526 cf/ft	with	25 % excess	=	1986.9 cf
407 ft	х	0.2526 cf/ft	with	25 % excess	=	128.6 cf

TOTAL SLURRY VOLUME =

2250.0 cf

401 bbls

Operator Name: Miller, Dyer & ...,LLC
Well Name: Flat Rock Generic

Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'

Date:

September 25, 2007



**Proposal No: 179969767A** 

## **WELL DATA** (Continued)

VERIFY TUBULAR CONFIGURATION, PROCEDURE, AND PROPER DISPACEMENT DEPTH WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

BHST has been estimated from 1.25 deg/100 ft gradient with an 80 degree ambient rock temperature. The BHCT has been calculated using API standards. PLEASE CONFIRM ACTUAL BHST TO ENSURE ACCURATE CEMENT TESTING IS PERFORMED.

Operator Name: Miller, Dyer & Well Name:

Flat Rock Generic

Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'

Date:

September 25, 2007



**Proposal No: 179969767A** 

## **FLUID SPECIFICATIONS**

**STAGE NO.: 1** 

Spacer

20.0 bbls 2% KCl Water @ 8.43 ppg

Mud Wash

1,000.0 gals Mud Clean I @ 8.4 ppg

Spacer

20.0 bbls 2% KCl Water @ 8.43 ppg

**VOLUME VOLUME** 

**FLUID** 

**CU-FT FACTOR** AMOUNT AND TYPE OF CEMENT

1st Tail Slurry

792

= 480 sacks (50:50) Poz (Fly Ash):Class G Cement + 0.05 lbs/sack Static Free + 0.2% bwoc R-3 + 3%

bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 0.9% bwoc FL-25 + 1 gals/100 sack FP-6L + 2% bwoc Bentonite + 35% bwoc Silica Flour +

0.2% bwoc BA-59 + 70.7% Fresh Water

Displacement

289.7 bbls Drilling Mud @ 9.5 ppg

#### **CEMENT PROPERTIES**

	SLURRY NO. 1
Slurry Weight (ppg)	14.40
Slurry Yield (cf/sack)	1.65
Amount of Mix Water (gps)	7.12
Amount of Mix Fluid (gps)	7.13
Estimated Pumping Time - 70 BC (HH:MM)	4:00
COMPRESSIVE STRENGTH	
24 hrs @ 230 ° F (psi)	3000

Operator Name: Miller, Dyer & Well Name:

Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'

Flat Rock Generic

Date:

September 25, 2007

**Proposal No: 179969767A** 

## **FLUID SPECIFICATIONS (Continued)**

**STAGE NO.: 2** 

Pre-Flush 20.0 bbls 2% KCl Water @ 8.43 ppg Mud Wash 1,000.0 gals Mud Clean I @ 8.4 ppg

Spacer

20.0 bbls 2% KCl Water @ 8.43 ppg

**VOLUME VOLUME** 

**FLUID** CU-FT **FACTOR** AMOUNT AND TYPE OF CEMENT 2nd Lead Slurry 2121 1 3.1 = 674 sacks Premium Lite II Cement + 3 lbs/sack CSE + 0.3% bwoc R-3 + 3% bwow Potassium Chloride + 10% bwoc Bentonite + 0.2% bwoc Sodium Metasilicate + 183.6% Fresh Water 2nd Tail Slurry 129 1 1.2 = 100 sacks (50:50) Poz (Fly Ash):Class G Cement + 0.05% bwoc Static Free + 0.1% bwoc R-3 + 3% bwow Potassium Chloride + 0.9% bwoc FL-25 + 1 gals/100 sack FP-6L + 2% bwoc Bentonite + 0.2% bwoc Sodium Metasilicate + 0.2% bwoc BA-59 +

57.3% Fresh Water

Displacement

232.5 bbls 2% KCl Water @ 8.43 ppg

#### **CEMENT PROPERTIES**

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	11.20	14.20
Slurry Yield (cf/sack)	3.15	1.29
Amount of Mix Water (gps)	19.16	5.77
Amount of Mix Fluid (gps)	19.16	5.78
Estimated Pumping Time - 70 BC (HH:MM)	5:00	4:30
COMPRESSIVE STRENGTH		
24 hrs @ 200 ° F (psi)		1800

THICKENING TEST TIMES ARE ESTIMATES. SLURRIES ARE SUBJECT TO CHANGE BASED ON TEST RESULTS FROM THE REGION LABORATORY.

SLURRY VOLUMES ARE ESTIMATED AND ARE SUBJECT TO CHANGE BASED ON CALIPER LOG MEASUREMENTS.

PLEASE DOCUMENT HOW LONG WELL HAS BEEN CIRCULATED PRIOR TO CEMENTING AND INCLUDE ANY OTHER IMPORTANT ISSUES ON THE CEMENT REPORT.



#### CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

Report Printed on: SEP-25-07 03:21

Operator: Miller, Dyer & Co., Well Name: Flat Rock Generic September 25, 2007



**Proposal No: 179969767A** 

## PRODUCT DESCRIPTIONS

#### **BA-59**

A free flowing powder which provides improved bonding and minimizes gas migration. Provides expansion properties and zero free water to cement slurries.

#### **Bentonite**

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

#### **CSE**

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive

strength development of cement slurries at all temperature ranges. This material also controls free water

#### **Calcium Chloride**

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

#### Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

#### **Class G Cement**

Intended for use as a basic cement from surface to 8000 ft as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

#### FL-25

An all purpose salt-tolerant fluid loss additive that provides exceptional fluid loss control across a wide range of temperatures and salinity conditions and remedial cementing applications.

#### FP-6L

A clear liquid that decreases foaming in slurries during mixing.

#### Kol Seal

A granular, lightweight material (specific gravity of 1.3) used to control lost circulation in zones of natural and induced fractures, cavities and high permeability.

#### Mud Clean I

A water-based non-acid solution used as a wash between the drilling mud and cement.

#### Potassium Chloride

A granular salt used to reduce clay swelling caused by water-base stimulation fluids.

#### Poz (Fly Ash)

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

#### **Premium Lite II Cement**

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

Operator: Miller, Dyer & Co., Well Name: Flat Rock Generic September 25, 2007



**Proposal No: 179969767A** 

## **PRODUCT DESCRIPTIONS** (Continued)

#### **R-3**

A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

#### Silica Flour

A very fine (200 mesh) Silica Flour for use in fracturing fluids and acids to help control fluid-loss in small micro fissures of naturally fractured formations. Normal loadings range from 10 to 50 pounds per 1,000 gallons of fluid. It is used in cementing to prevent strength retrogression at high temperatures.

#### **Sodium Metasilicate**

An accelerator used to decrease the thickening time of cement slurries.

#### **Static Free**

An anti-static additive used to prevent air entrainment due to agglomerated particles. Can be used in Cementing and Fracturing operations to aid in the flow of dry materials.

Well Name: Date:

Operator Name: Miller, Dyer & Co.,LLC Flat Rock Generic September 25, 2007



Proposal No: 179969767A

**End of Report** 

## MILLER, DYER & CO. LLC Ute Tribal 9-29-14-20 Section 29, T14S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 17 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 29.4 MILES TO ITS INTERSECTION WITH THE BUCK CANYON ROAD (COUNTY B ROAD 5460). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 5460 APPROXIMATELY 3.2 MILES TO WILLOW CREEK. TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION ALONG THE WILLOW CREEK ROAD (COUNTY B ROAD 5120) APPROXIMATELY 2.1 MILES TO ITS INTERSECTION WITH THE AGENCY DRAW ROAD (COUNTY B ROAD 5340). EXIT LEFT AND PROCEED IN A WESTERLY THEN SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 5340 APPROXIMATELY 2.5 MILES TO ITS INTERSECTION WITH THE FLAT ROCK ROAD (COUNTY B ROAD 5450). EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG COUNTY B ROAD 5450 APPROXIMATELY 10.9 MILES TO THE FLAT ROCK MESA ROAD. PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE FLAT ROCK MESA ROAD APPROXIMATELY 2.8 MILES TO ITS INTERSECTION WITH THE BLACK KNOLLS ROAD. CONTINUE IN A WESTERLY THEN NORTHWESTERLY DIRECTION ALONG THE FLAT ROCK MESA ROAD APPROXIMATELY 2.9 MILES TO THE NORTH FORK OF THE FLAT ROCK MESA ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG NORTH FORK OF FLAT ROCK MESA ROAD APPROXIMATELY 0.5 MILES TO AN EXISTING ROAD TO THE EAST. EXIT RIGHT AND PROCEED IN AN EASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 0.7 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 1,370 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 86.3 MILES IN A SOUTHERLY DIRECTION.

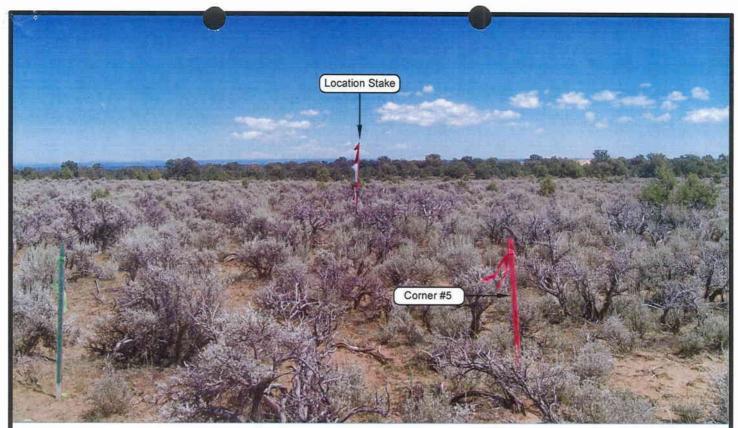


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY

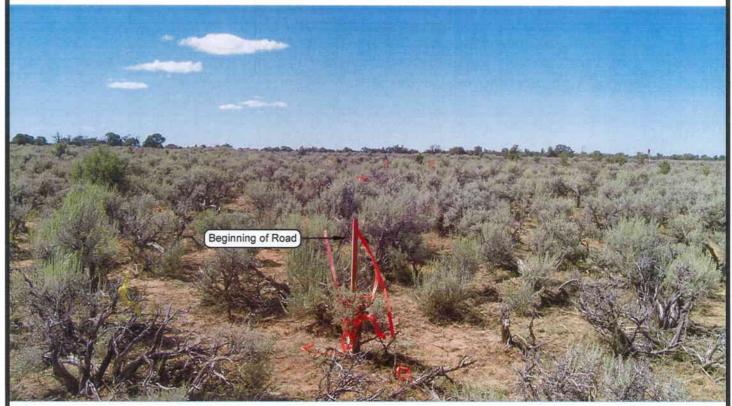


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHWESTERLY

## MILLER, DYER & CO. LLC

Ute Tribal 9-29-14-20 SECTION 29, T14S, R20E, S.L.B.&M. 2397' FSL & 833' FEL

IOC	ATION	PHOT	20
LUU	ALIUN	FIIUI	UD

DATE TAKEN: 08-24-07 DATE DRAWN: 08-30-07

TAKEN BY: B.J.S.

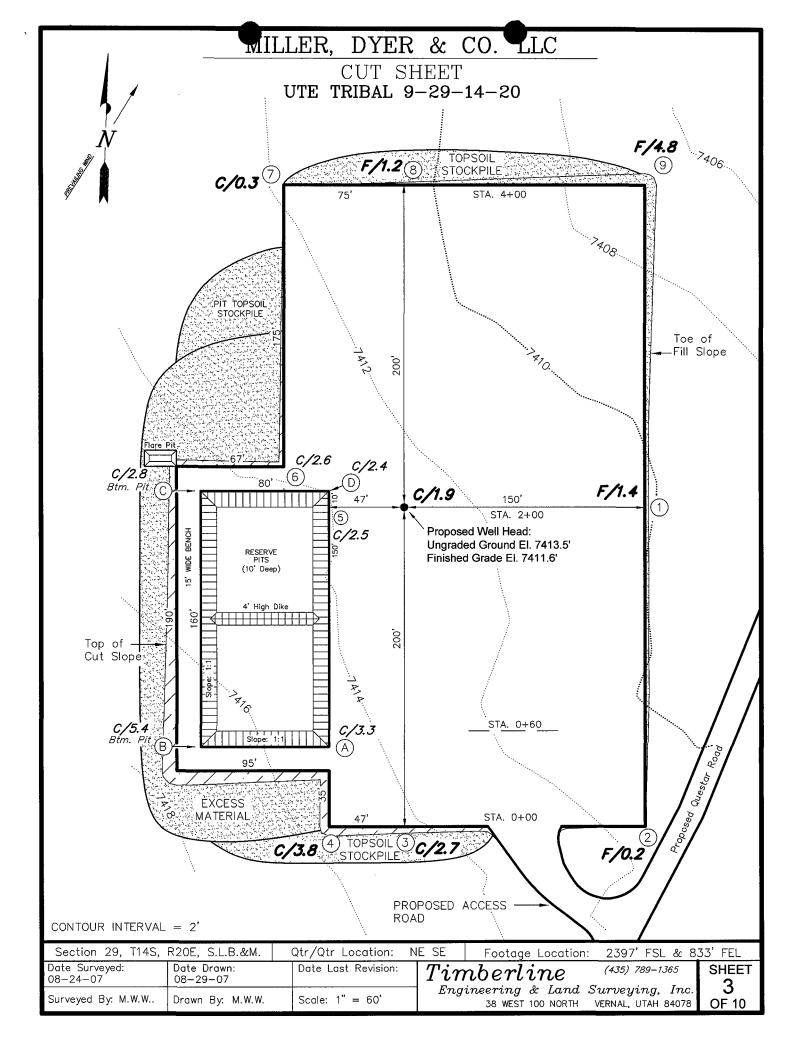
DRAWN BY: M.W.W.

SHEET

Timberline

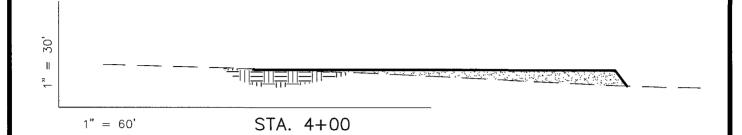
(435) 789-1365 Engineering & Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078

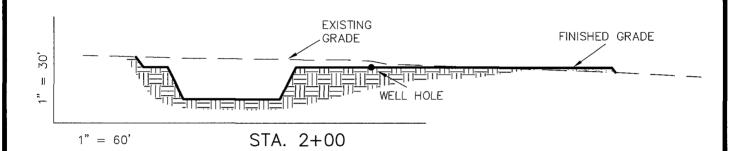
OF 10

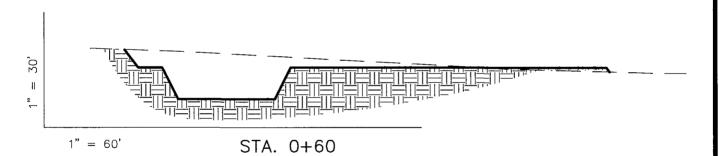


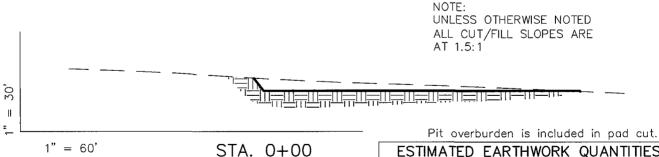
## MILLER, DYER & CO. LLC

# CROSS SECTIONS UTE TRIBAL 9-29-14-20









REFERENCE POINTS

250' NORTHERLY = 7410.6' 300' NORTHERLY = 7410.6' 200' EASTERLY = 7408.8' 250' EASTERLY = 7407.5' ESTIMATED EARTHWORK QUANTITIES
(No shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

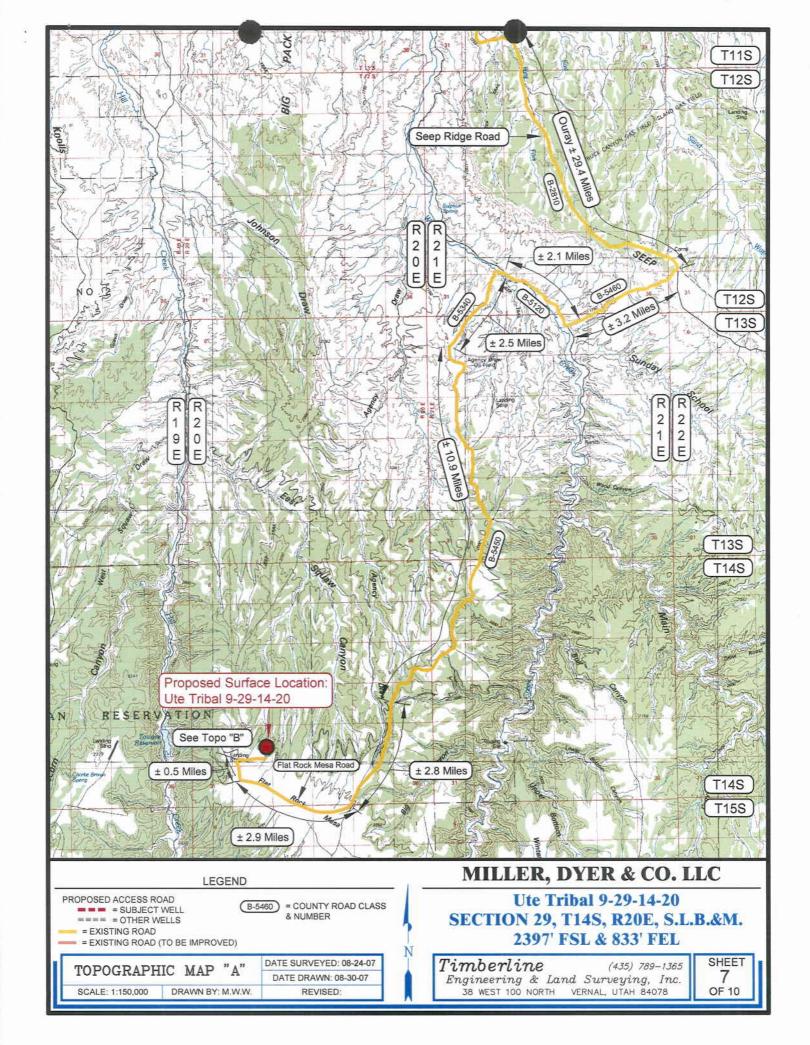
ITEM	CUT	FILL	6" TOPSOIL	EXCESS	
PAD	3,280	3,280	Topsoil is not included	0	
PIT	3,850	0	in Pad Cut	3,850	
TOTALS	7,130	3,280	1,880	3,850	

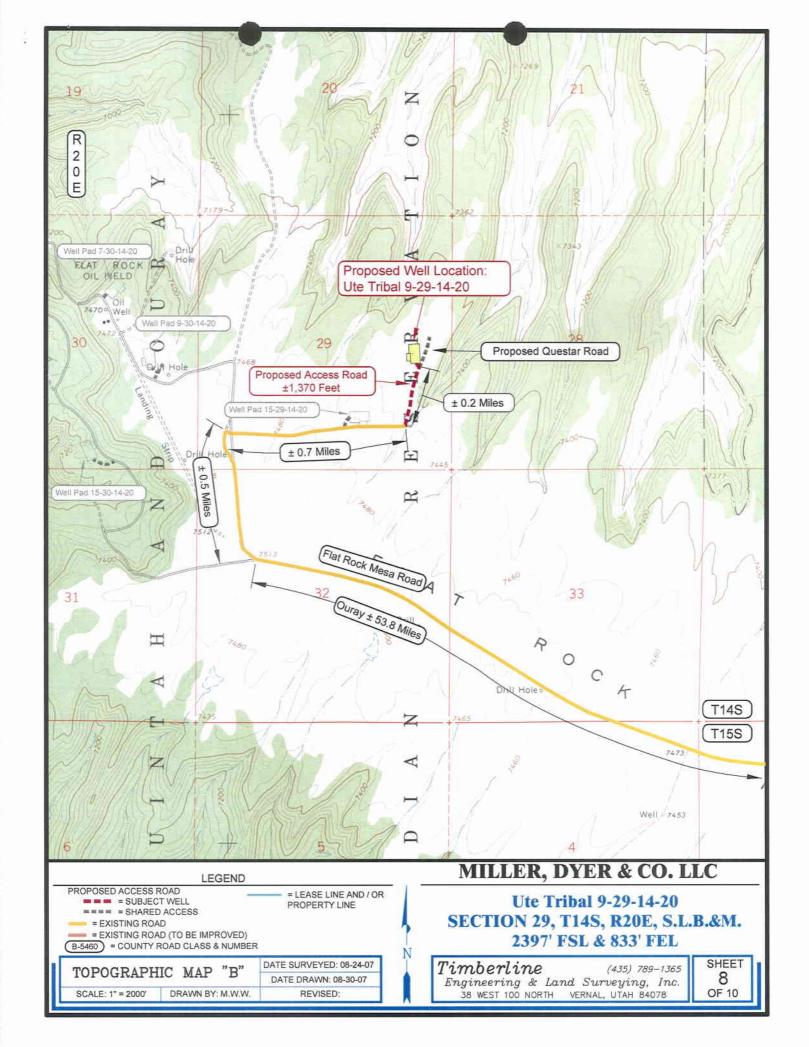
Excess Material after Pit Rehabilitation = 0 Cu. Yds.

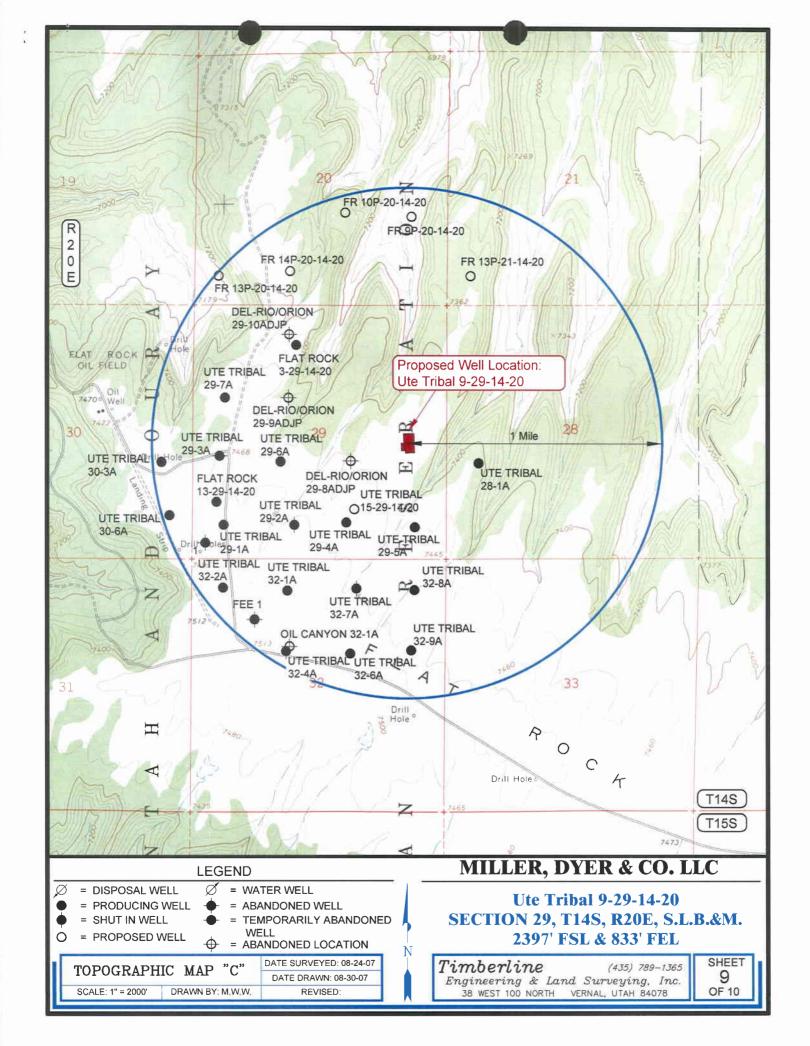
Section 29, T14S,	R20E, S.L.B.&M.	Qtr/Qtr Location:	NE SE	Footage Location	: 2397' FSL & 8	33' FEL
Date Surveyed: 08-24-07	Date Drawn: 08-29-07	Date Last Revision:	Tin	nberline	(435) 789–1365	SHEET
Surveyed By: M.W.W	Drawn Bv: M.W.W.	Scale: 1" = 60'	- $Eng$	ineering & Land		
Surveyed by. W.W.	Didwii by. W.W.W.	3cdie. 1 – 60		38 WEST 100 NORTH	VERNAL, UTAH 84078	OF 10

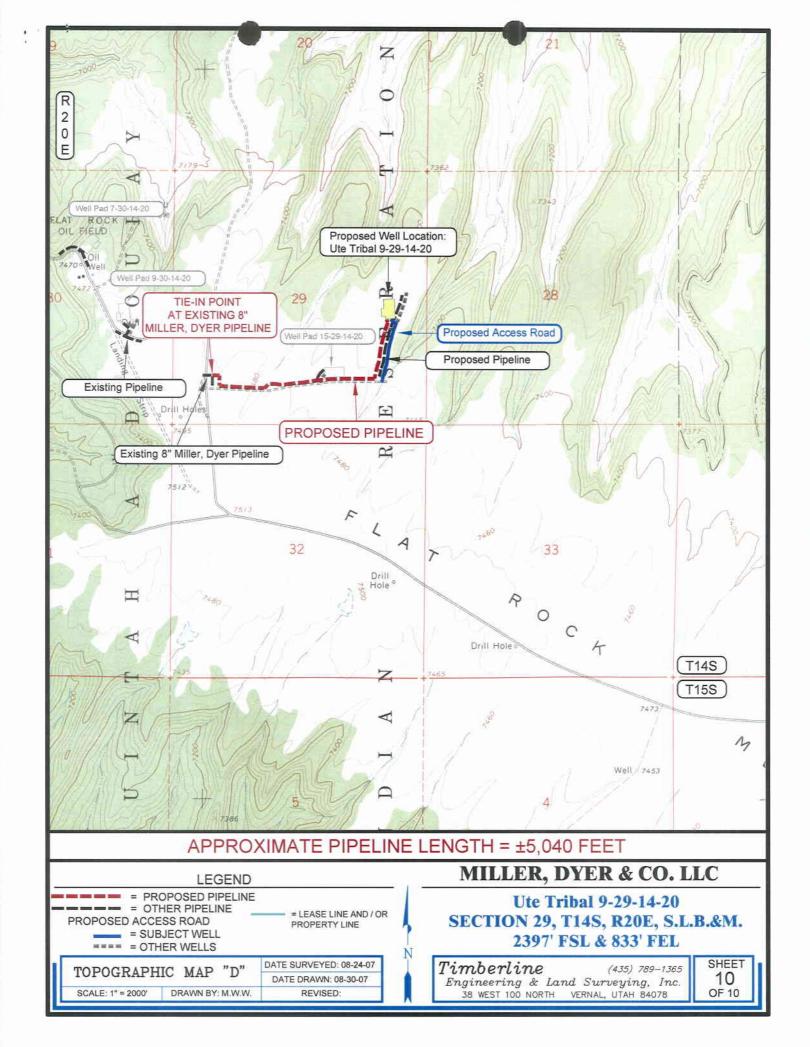
## MILLER, DYER & CO. LLC TYPICAL RIG LAYOUT UTE TRIBAL 9-29-14-20 200, PIPE RACKS 67' 80' 150' BENCH RESERVE PITS (10' Deep) 500 bbl Water Tank WIDE Drilling 5. 4' High Dike 190 Mud¬ Pump #2 Gen. House PIT VOLUME ⊢Mud⊣ Pump # 14,150 bbls W / 2' Freeboard Rood Trash Basket Air Booster Air Compressor #2 , Questor F ☐ ☐ Toilets Slope: 1:1 Air Compressor #1 95' 35, 47' Section 29, T14S, R20E, S.L.B.&M. Qtr/Qtr Location: NE SE Footage Location: 2397' FSL & 833' FEL Date Surveyed: 08-24-07 Date Drawn: Date Last Revision: $\overline{Tim}berline$ (435) 789-1365 SHEET 08-29-07 5 Engineering & Land Surveying, Inc. Surveyed By: M.W.W.. Drawn By: M.W.W. Scale: 1" = 60'38 WEST 100 NORTH VERNAL, UTAH 84078 OF 10

# MILLER, DYER & CO. LLC TYPICAL PRODUCTION LAYOUT UTE TRIBAL 9-29-14-20 Dump Lines Separator, Dehydrator & Meter 2 300 bbl Tanks & Berm Insulated 2" Flow line & 1" Trace ● WELL HEAD PIT AREA Proposed Questor Rood Section 29, T14S, R20E, S.L.B.&M. Qtr/Qtr Location: NE SE Footage Location: 2397' FSL & 833' FEL Date Drawn: 08-29-07 Date Surveyed: 08-24-07 Date Last Revision: $\overline{\it Tim} berline$ (435) 789-1365 SHEET 6 Engineering & Land Surveying, Inc. Surveyed By: M.W.W.. Drawn By: M.W.W. Scale: 1" = 60'38 WEST 100 NORTH VERNAL, UTAH 84078 **OF 10**



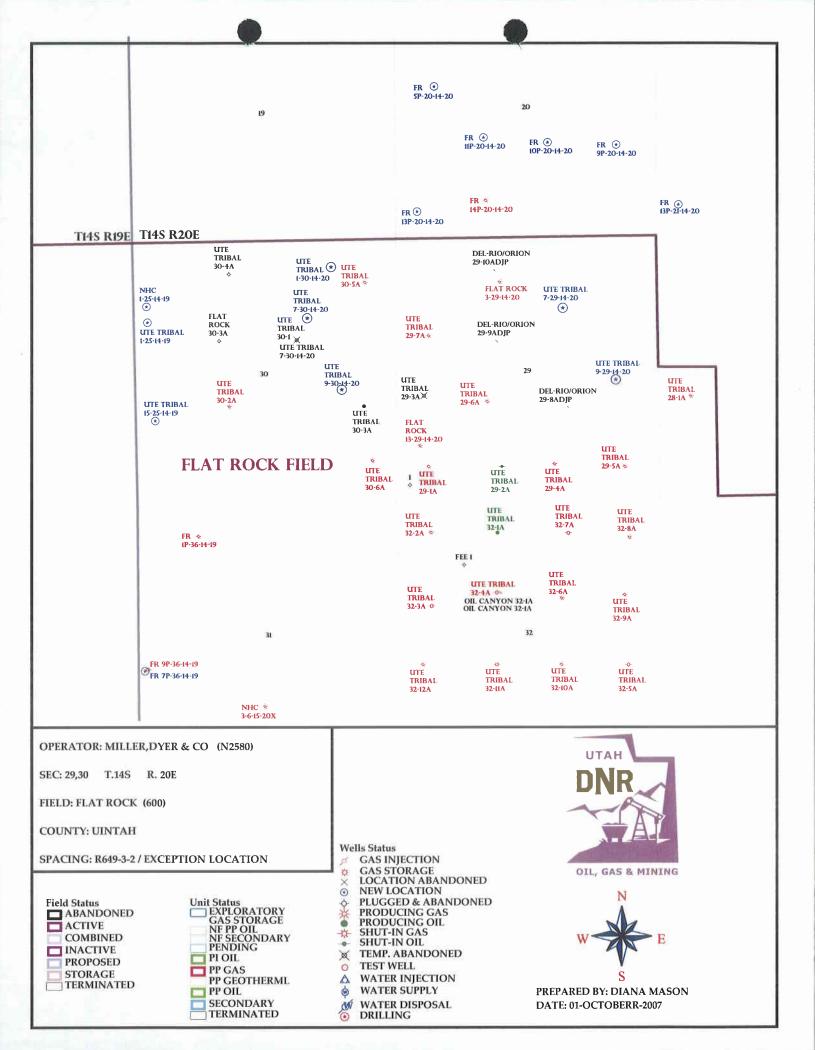






# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/28/2007		API NO. ASSIG	NED: 43-047	7-39669
WELL NAME: UTE TRIBAL 9-29-14-20	_		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
OPERATOR: MILLER, DYER & CO, LLC ( N2580 )	Р	HONE NUMBER:	303-292-094	9
CONTACT: JEFF LANG				
PROPOSED LOCATION:	Ī	INSPECT LOCATN	BY: /	/
NESE 29 140S 200E SURFACE: 2397 FSL 0833 FEL	2	Tech Review	Initials	Date
BOTTOM: 2397 FSL 0833 FEL	E	Engineering		
COUNTY: UINTAH LATITUDE: 39.56965 LONGITUDE: -109.6949		Geology		
UTM SURF EASTINGS: 612101 NORTHINGS: 438059	99	Surface		
FIELD NAME: FLAT ROCK ( 600 )	)		, <b>J</b> .	
LEASE TYPE: 1 - Federal  LEASE NUMBER: U-10166  SURFACE OWNER: 2 - Indian		ROPOSED FORMATO		GT
RECEIVED AND/OR REVIEWED:	LOCATION	N AND SITING:		
✓ Plat	R64	19-2-3		
Bond: Fed[1] Ind[] Sta[] Fee[]	<del></del>			
(No. RLB0008085 )	Unit:			
N Potash (Y/N)	R64	49-3-2. Gener	al	
<u>L</u> Oil Shale 190-5 (B) or 190-3 or 190-13	Sit	ting: 460 From Qt	r/Qtr & 920' B	etween Wells
Water Permit	<b>√</b> R64	19-3-3. Excep	tion	
(No. 30-4 )	Dri	illing Unit		
PDCC Review (Y/N) (Date: )	——	oard Cause No:		
		ff Date:		
Fee Surf Agreement (Y/N)	Si	iting:		
NH Intent to Commingle (Y/N)	R64	49-3-11. Dire	ctional Dri	11
CONTRACTO		, , , , , , , , , , , , , , , , , , ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
COMMENTS:				
STIPULATIONS: 1- teach 1	prop			
- Oracing C	лц	<del></del>		





475 Seventeenth Street, Suite 1200 Denver, Colorado 80202 P: 303-292-0949 F: 303-292-3901

October 11, 2007

Diana Mason Utah Division of Oil, Gas & Mining P.O. Box 145801 Salt Lake City, UT 84114-5801

Exception Location to Drill

**Ute Tribal 9-29-14-20** Section 29, T14S R20E

U-10166

Uintah County, Utah

Dear Ms Mason:

RE:

Miller, Dyer & Co. LLC, as Operator, is proposing to drill and has made application with the Division of Oil, Gas and Mining ("DOGM") for a permit to drill the following well:

RECEIVED

OCT 1 5 2007

DIV. OF OIL, GAS & MINING

Ute Tribal 9-29-14-20

Location: 2397' FSL, 833' FEL, (NESE) Section 29, T14S R20E, Uintah County, Utah

Lease: U-10166; Record Title Owner - Chicago Energy Associates, LLC

Designated Operator: Miller, Dyer & Co. LLC (Designation on file with DOGM & SITLA)

<u>Pursuant to Rule R649-3-3, Miller, Dyer & Co. LLC is making application and seeking DOGM's administrative authority to grant an exception to the locating and siting requirements for this well.</u>

The Flat Rock #9-29-14-20 well is approximately 217' North of the 200' drilling tolerance from the center of the 40-acre drilling unit designated as the NESE of Section 29. The present location of this well as surveyed and staked allows optimal access to the Entrada Formation as observed by our seismic survey.

Chicago Energy Associates, LLC is the owner within a 460-foot radius of the proposed well location and is the owner of the directly offsetting drilling unit being crowded by the proposed well location.

Miller-Dyer and Chicago Energy Associates, LLC respectfully requests an administrative approval by the division of an exception location for the well referenced above.

Yours truly,

leffrex A. Lang

Vice President of Operations

MILLER, DYER & CO. LLC

From:

**Brad Hill** 

To:

Mason, Diana

Date:

10/15/2007 10:47 AM

Subject:

Fwd: RE: Lease owners consent

Put a copy of the e-mail in the file and call it good enough.

>>> Diana Mason 10/15/2007 10:45 AM >>> Is this ok?

>>> "Jeff Lang" < jeff@millerdyer.com > 10/15/2007 10:42 AM >>> Diana,

Essentially, we are Chicago Energy Associates. We are the designated manager of their properties.

Let me know if you need more.

Thanks,

Jeff

----Original Message----

From: Diana Mason [mailto:dianawhitney@utah.gov]

Sent: Monday, October 15, 2007 10:36 AM

To: Jeff Lang

Subject: Lease owners consent

Jeff,

I received your exception location letters and it say's that Chicago Energy Associates, LLC is the owner within a 460' radius. Do you have their consent?

Diana





MICHAEL R. STYLER Executive Director

**Division of Oil Gas and Mining** 

JOHN R. BAZA
Division Director

October 15, 2007

Miller, Dyer & Co. LLC 475 17th St., Suite 1200 Denver, CO 80202

Re:

Ute Tribal 9-29-14-20 Well, 2397' FSL, 833' FEL, NE SE, Sec. 29, T. 14 South,

R. 20 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39669.

Sincerely,

Gil Hunt

Associate Director

Stipplet

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal Office



· · · · · · · · · · · · · · · · · · ·
Tribal 9-29-14-20
947-39669
0166

Location: NE SE

**Sec.** 29

**T.** 14 South

**R.** 20 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin, R. 649-1 et sea., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

## Division of Oil, Gas and Mining

## **OPERATOR CHANGE WORKSHEET**

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has chen	gad affordis	70'	op •xw		6/1/2000		
The operator of the well(s) listed below has chan	gea, effectiv	/e:			6/1/2008		
FROM: (Old Operator):			TO: ( New Op				
N2580-Miller, Dyer & Co, LLC			N2680-Whiting	; Oil & Gas	Company		
475 17th St, Suite 1200			1700 B	roadway, S	uite 2300		
Denver, CO 80202			Denver	, CO 80290	)		
71 4 (222) 222 224			D1 4 (200)	005 155			
Phone: 1 (303) 292-0949			Phone: 1 (303)	837-1661			
CA No.	[a=a ===		Unit:		I		
WELL NAME	SEC TWI	N RNG	API NO	ENTITY	LEASE TYPE	!	WELL
CEE ATTACHED LICT	<u> </u>	T	 	NO		TYPE	STATUS
SEE ATTACHED LIST		<u> </u>					
OPERATOR CHANGES DOCUMENT	ATION						
Enter date after each listed item is completed	ALIUN						
1. (R649-8-10) Sundry or legal documentation wa	is received t	from the	FORMER one	rator on:	6/5/2008		
2. (R649-8-10) Sundry or legal documentation was					6/5/2008		
, , , , , , , , , , , , , , , , , , , ,			-			•	7/16/2008
3. The new company was checked on the <b>Depart</b> :		шшегсе		_			7/10/2008
4a. Is the new operator registered in the State of U			Business Numb	er:	5890476-0143		
4b. If <b>NO</b> , the operator was contacted contacted of							
5a. (R649-9-2)Waste Management Plan has been re			REQUESTED	7/16/2008			
5b. Inspections of LA PA state/fee well sites comp	lete on:		done	-			
5c. Reports current for Production/Disposition & S	undries on:		ok				
6. Federal and Indian Lease Wells: The BL	M and or th	ne BIA l	nas approved the	merger, na	me change,		
or operator change for all wells listed on Feder	al or Indian	leases o	on:	BLM	not yet	BIA	not yet
7. Federal and Indian Units:							
The BLM or BIA has approved the successor	of unit ope	rator for	r wells listed on:		n/a		
8. Federal and Indian Communization Ag	_					•	
The BLM or BIA has approved the operator:					n/a		
9. Underground Injection Control ("UIC"				oved UIC F	orm 5, Transfer	of Auth	ority to
Inject, for the enhanced/secondary recovery un		or the wa	ater disposal wel	l(s) listed o	n:	n/a	
DATA ENTRY:	<b>FJ</b>		<b>,</b>				•
1. Changes entered in the Oil and Gas Database	on:		7/16/2008				
2. Changes have been entered on the <b>Monthly O</b> <sub>1</sub>		ange Sp		•	7/16/2008		
3. Bond information entered in RBDMS on:	•	9 1	7/16/2008			•	
4. Fee/State wells attached to bond in RBDMS or	ı:		7/16/2008	•			
5. Injection Projects to new operator in RBDMS	on:		n/a				
6. Receipt of Acceptance of Drilling Procedures f	or APD/Ne	w on:	*	7/16/2008	_		
BOND VERIFICATION:							
1. Federal well(s) covered by Bond Number:			UTB000148	_			
2. Indian well(s) covered by Bond Number:			RLB0011681	-			
3a. (R649-3-1) The NEW operator of any state/fe	e well(s) lis	sted cov	ered by Bond Nu	umber	RLB0004585	_	
3b. The FORMER operator has requested a releas	e of liability	y from tl	heir bond on:	not yet	_	-	
LEASE INTEREST OWNER NOTIFIC	CATION:						
4. (R649-2-10) The NEW operator of the fee wells	s has been c	ontacted	l and informed b	y a letter fr	om the Division		
of their responsibility to notify all interest owner	rs of this ch	ange on		n/a			
COMMENTS:					·····		

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
SUNDRY NOTICES AND REPORTS ON WELLS	6, IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: See Attached List
2. NAME OF OPERATOR: Whiting Oil And Gas Company \( \mathcal{H} \alpha 680 \)	9. API NUMBER:
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1700 Broadway, Ste 2300 CITY Denver STATE CO ZIP 80290 (303) 837-1661	
FOOTAGES AT SURFACE:	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEPEN  ALTER CASING  FRACTURE TREAT	REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL
(Submit in Duplicate)	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OTHER:
	nes etc.
Effective 6/1/2008, please change the Operator of record from Miller, Dyer & Co., LLC to W Whiting Oil and Gas Corporation Utah State bond is #RLB0011676.or Utah BLM Bond #UT See attached well list.  **Record from Miller, Dyer & Co., LLC to W Whiting Oil and Gas Corporation Utah State bond is #RLB0011676.or Utah BLM Bond #UT See attached well list.	hiting Oil and Gas Corporation. B-000148.
Whiting Oil and Gas Corporation 1700 Broadway, Suite 2300 Denver, CO 80290 (200) 207 COS	1681
(303) 837-1661	RECEIVED
Miller, Dyer & Co., LLC 475 17th Street, Suite 1200 N 2580 Denver, CO 80202	JUN 0 5 2008
Miller, Dyer & Co., LLC	DIV. OF OIL, GAS & MINING
NAME (PLEASE PRINT) JEFFREY H. LANG TITLE UP C	peration 5
SIGNATURE DATE 6/3/08	
Whiting Oil and Gas Corporation	
	smTion3
SIGNATURE lieher DATE 6/3/08	
(This space for State use only)  APPROVED 1116 2008  Carley Russell  Division of Oil, Gas and Mining  Earlene Russell, Engineering Technician	

well name	sec	twp	rna	api	entity	lease	well	stat 2	flag
UTE TRIBAL 32-5A	32	140S	rng 200E	4304710577	12655		1	Stat 2	mag
UTE TRIBAL 30-3A	30	140S	200E 200E	4304710913		Federal		P	
UTE TRIBAL 30-5A	30	140S	200E	4304720502		Federal	GW	S	
UTE TRIBAL 30-2A	30	140S	200E	4304730641		Federal	GW	P	
UTE TRIBAL 29-1A	29	140S	200E	4304730981		Federal	ļ	P	
UTE TRIBAL 32-1A	32	140S	200E	4304732758	12064		OW	P	
UTE TRIBAL 29-2A	29	140S	200E	4304732945	<del> </del>	Federal	1	P	
UTE TRIBAL 32-2A	32	140S	200E	4304733333	12658			P	
UTE TRIBAL 32-3A	32	140S	200E	4304733333	12657		GW	S	
UTE TRIBAL 32-4A	32	140S	200E	4304733335	12656			P	
UTE TRIBAL 32-6A	32	140S	200E	4304733337	12662		GW		
CHIMNEY ROCK 32-11	32	130S	210E	4304733445	12984		GW	S	
CHIMNEY ROCK 32-13	32	130S	210E	4304733447	12985			P	
CHIMNEY ROCK 32-14	32	130S	210E	4304733448	12983		GW	P	
UTE TRIBAL 32-8A	32	140S	200E	4304733557	13066			P	
UTE TRIBAL 32-12A	32	140S	200E	4304733558	13064			P	
UTE TRIBAL 28-1A	28	140S	200E	4304733595	<u> </u>	Federal	GW	S	
UTE TRIBAL 30-6A	30	140S	200E	4304733596	<u> </u>	Federal	GW	P	
UTE TRIBAL 29-4A	29	140S	200E	4304733616		Federal	GW	l	
UTE TRIBAL 29-5A	29	140S	200E	4304733617		Federal		P	
UTE TRIBAL 32-7A	32	140S	200E	4304733618	13065			S	
UTE TRIBAL 32-9A	32	140S	200E	4304733619	13067		GW		
UTE TRIBAL 32-10A	32	140S	200E	4304733620	13054		GW		
UTE TRIBAL 32-11A	32	140S	200E	4304733621	13058		GW	S	
UTE TRIBAL 32-16A	32	140S	200E	4304734098	13449		GW	P	
UTE TRIBAL 29-6A	29	140S	200E	4304734102	1	Federal	GW	P	
UTE TRIBAL 29-7A	29	140S	200E	4304734103	13444	Federal	GW	P	
UTE TRIBAL 10-2-15-20	02	150S	200E	4304735625	14167	State		P	
FLAT ROCK 13-29-14-20	29	140S	200E	4304736778	15065	Federal	GW	P	
FLAT ROCK 3-29-14-20	29	140S	200E	4304736795	15099	Federal	GW	P	
UTE TRIBAL 6-16-14-20	16	140S	200E	4304738506	16320	State	GW	P	
UTE TRIBAL 15-25-14-19	30	140S	200E	4304739052	16169	Indian	GW	P	C
UTE TRIBAL 1-25-14-19	30	140S	200E	4304739053		Indian	GW	APD	
UTE TRIBAL 1-30-14-20	30	140S	200E	4304739665		Federal	GW	APD	
UTE TRIBAL 9-30-14-20				4304739666		Federal			
UTE TRIBAL 7-30-14-20				4304739667		Federal	GW	APD	
						Federal			
			+			Federal	GW		
	-								
UTE TRIBAL 1-29-14-20	-	140S	200E	4304739737		Federal		APD	
UTE TRIBAL 15-29-14-20	29	140S	200E	4304739738		Federal		APD	
UTE TRIBAL 3-30-14-20				4304739739		Federal	-	APD	-
	30	+		4304739740		Federal		APD	
		-	<del> </del>						
			+						
UTE TRIBAL 9-30-14-20 UTE TRIBAL 7-30-14-20 UTE TRIBAL 7-29-14-20 UTE TRIBAL 9-29-14-20 UTE TRIBAL 12-28-14-20 UTE TRIBAL 1-29-14-20 UTE TRIBAL 15-29-14-20	30 30 29 29 28 29 29 29 30	140S 140S 140S 140S 140S 140S	200E 200E 200E 200E 200E 200E	4304739666 4304739667 4304739668 4304739736 4304739737 4304739737 4304739738 4304739739		Federal Federal Federal Federal Federal Federal Federal	GW GW GW GW GW GW GW GW	APD APD APD APD APD APD APD APD APD	

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

### Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	UTE TRIBAL 9-29-14-20
API number:	4304739669
Location:	Qtr-Qtr: NESE Section: 29 Township: 14S Range: 20E
Company that filed original application:	MILLER, DYER & CO., LLC
Date original permit was issued:	10/15/2007
Company that permit was issued to:	MILLER, DYER & CO., LLC

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<b>✓</b>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		✓
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		1
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✓
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		1
Is bonding still in place, which covers this proposed well? Bond No. RLB0011676	<b>√</b>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) <u>Rick</u> Ross	Title UP OPSNATIONS
Signature Auch 1	Date 6/1/68
Representing (company name) WHITING OIL AND GAS CORPOR	ATION

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new person for Permit to Drill.

JUN 0 2 2008

## STATE OF UTAH MENT OF NATURAL RESOURCES

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
	U-10166
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL ☐ GAS WELL ✓ OTHER	8. WELL NAME and NUMBER: Ute Tribal 9-29-14-20
2. NAME OF OPERATOR: Whiting Oil & Gas Corporation	9. API NUMBER: 4304739669
3. ADDRESS OF OPERATOR: PHONE NUMBER: (303) 837-1661	10. FIELD AND POOL, OR WILDCAT: Flat Rock
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: 2,397' FSL & 833 FEL	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 29 14S 20E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION  CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE	TEMPORARILY ABANDON TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: Request for Permit
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	Extension
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es, etc.
Whiting Oil & Gas Company (Whiting) has acquired this well from Miller Dyer & Co. LLC. (M the Application for Permit to Drill (APD) on this well and Whiting is requesting an extension of	
Approved by the Utah Division of Oil, Gas and Mining  Date: 103-06-06-06-06-06-06-06-06-06-06-06-06-06-	
NAME (PLEASE PRINT) Terri L. Hartle  SIGNATURE DATE DATE  Office Administration of the property of the propert	itor
(This space for State use only)	
COPY SENT TO OPERATOR	RECEIVED
	NOV 0 3 2008
(5/2000) Date: 11'10' 2008 (See Instructions on Reverse Side)	
Initials: US	IV. OF OIL, GAS & MINING



## Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-39669  Well Name: Ute Tribal 9-29-14-20  Location: Sec. 29 14S 20E  Company Permit Issued to: Miller, Dyer & Co. LLC  Date Original Permit Issued: 10/31/2007
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
f located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□ No☑
las there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right- of-way, which could affect the proposed location? Yes□No ☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
s bonding still in place, which covers this proposed well? Yes☑No□
Jerri Hartle 10/31/2007
Signáture Date
Title: Office Administrator
Representing: Whiting Oil & Gas Corporation

	STATE OF UTAH	CEC			FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING					5.LEASE DESIGNATION AND SERIAL NUMBER: U-10166		
SUNDRY NOTICES AND REPORTS ON WELLS					6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.					T or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well					8. WELL NAME and NUMBER: UTE TRIBAL 9-29-14-20		
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION					<b>9. API NUMBER:</b> 43047396690000		
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300,	Denver, CO, 80290 2300		HONE NUMBER: 390-4095 Ext		9. FIELD and POOL or WILDCAT: FLAT ROCK		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2397 FSL 0833 FEL				COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 29 Township: 14.0S Range: 20.0E Meridian: S					STATE: UTAH		
11.	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPO	RT, OR O	THER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION				
	☐ ACIDIZE		ALTER CASING		CASING REPAIR		
NOTICE OF INTENT Approximate date work will start: 10/29/2009	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME		
10/23/2003	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIO	ns [	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION		
	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	_ ∐ !	RECLAMATION OF WELL SITE	L	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	∐ s	SIDETRACK TO REPAIR WELL	L	TEMPORARY ABANDON		
	U TUBING REPAIR	□ <b>'</b>	VENT OR FLARE	L	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	∐ s	SI TA STATUS EXTENSION	•	APD EXTENSION		
1	☐ WILDCAT WELL DETERMINATION		OTHER	от	HER:		
Whiting Oil & Gas Co	IMPLETED OPERATIONS. Clearly show all porporation is requesting an expired properties of BIA/tribal scheduling	xtens	ion on this APD due	to	Approved by the Utah Division of il, Gas and Mining  October 29, 2009		
NAME (PLEASE PRINT)	PHONE NUMBE	R	TITLE				
Terri Hartle	435 896-5501		Admin/Regulatory (Wester	n Land Serv	vices)		
SIGNATURE N/A			<b>DATE</b> 10/29/2009				



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

### Request for Permit Extension Validation Well Number 43047396690000

**API:** 43047396690000

Well Name: UTE TRIBAL 9-29-14-20

Location: 2397 FSL 0833 FEL QTR NESE SEC 29 TWNP 140S RNG 200E MER S

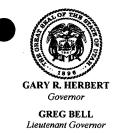
Company Permit Issued to: WHITING OIL & GAS CORPORATION

**Date Original Permit Issued:** 10/15/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

iie ievis	ision. Following is a checklist of some items rela	iteu to the ap	ppiication,	Willell Silould be V	eiiiieu.
	cated on private land, has the ownership change ted? 问 Yes 📵 No	d, if so, has t	the surfac	e agreement been	
	any wells been drilled in the vicinity of the prop grequirements for this location? 🔘 Yes 🌘 N		hich woul	d affect the spacing	or
	there been any unit or other agreements put in prise proposed well? 💮 Yes 🌘 No	place that co	uld affect	the permitting or o	peration
	there been any changes to the access route incl t the proposed location? ( Yes ( No	luding owne	rship, or r	ightof- way, which	could
• Has th	the approved source of water for drilling change	d? 📗 Yes	No		
	there been any physical changes to the surface ge in plans from what was discussed at the onsi				e a
• Is bon	ending still in place, which covers this proposed v	well? 🌘 Yo		Approved by the Utah Division of Oil, Gas and Min	f
nature:	Terri Hartle	<b>Date:</b> 10/2	29/2009		
Title:	Admin/Regulatory (Western Land Services) Repres	entina: WHI	TINGDate	GAS OCKOLOGE 27021	009

Sign



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 28, 2010

Whiting Oil & Gas Corporation 1700 Broadway, Ste. 2300 Denver, CO 80290

Re:

<u>APD Rescinded – Ute Tribal 9-29-14-20, Sec. 29 T. 14S, R. 20E</u>

Uintah County, Utah API No. 43-047-39669

#### Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on October 15, 2007. On November 3, 2008 and October 29, 2009 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective December 28, 2010.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely.

Diana Mason

**Environmental Scientist** 

cc:

Well File

Bureau of Land Management, Vernal





## **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
http://www.blm.gov/ut/st/en/fo/vernal.html



MAR 16 2015

IN REPLY REFER TO: 3160 (UTG011)

Scott Webb Whiting Petroleum Corporation 1700 Broadway, Suite 2300 Denver, CO 80290

RECEIVED

APR 02 2015

Dear Mr. Webb:

DIV. OF OIL, GAS & MINING

The following Applications for Permit to Drill (APD) are being returned unapproved per your request to this office in an email message to Supervisory Land Law Examiner Jeanne Newman received on March 11, 2015. If you intend to drill at any of these locations at a future date, a new APD must be submitted.

43-1747

Lease	Well	Aliquot	Sec., T., R.	Date Rec'd
UTU-019837	Ute Tribal 7-30-14-20 39 66	7 SWNE	Sec. 30, T14S-R20E	10/1/2007
UTU-019837	Ute Tribal 9-30-14-20 39666	o NESE	Sec. 30-T14S-R20E	9/28/2007
UTU-10166	Ute Tribal 1-29-14-20 3973	7 NENE	Sec. 29-T14S-R20E	10/29/2007
UTU-10166	Ute Tribal 7-29-14-20 3966	SWNE	Sec. 29-T14S-R20E	9/28/2007
UTU-10166	Ute Tribal 9-29-14-20 3966	NESE	Sec. 29-T14S-R20E	9/28/2007
UTU-10166	Ute Tribal 15-29-14-20 39739	SWSE	Sec. 29-T14S-R20E	10/29/2007

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka Assistant Field Manager Lands & Resource Minerals

**Enclosures** 

cc: bcc:

UDOGM Well File